

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/632,793A
Source: 1FW/b
Date Processed by STIC: 10/26/06

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 10/26/2006

PATENT APPLICATION: US/10/632,793A

TIME: 10:36:18

Input Set : A:\11004801.txt

Output Set: N:\CRF4\10262006\J632793A.raw

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3 <110> APPLICANT: PARANHOS-BACCALA, Glaucia
4     MALLET, Francois
5     VOISSET, Cecile
7 <120> TITLE OF INVENTION: ENDOGENEOUS NUCLEIC ACID FRAGMENT ASSOCIATED WITH AN
AUTOIMMUNE
8     DISEASE, LABELING METHOD AND REAGENT
10 <130> FILE REFERENCE: 110048.01
12 <140> CURRENT APPLICATION NUMBER: 10/632,793A
13 <141> CURRENT FILING DATE: 2003-08-04
15 <150> PRIOR APPLICATION NUMBER: PCT/FR00/00144
16 <151> PRIOR FILING DATE: 2000-01-21
18 <150> PRIOR APPLICATION NUMBER: US 09/869,927
19 <151> PRIOR FILING DATE: 2001-08-17
21 <150> PRIOR APPLICATION NUMBER: FR 99/00888
22 <151> PRIOR FILING DATE: 1999-01-21
24 <160> NUMBER OF SEQ ID NOS: 36
26 <170> SOFTWARE: PatentIn version 3.3
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 1511
30 <212> TYPE: DNA
31 <213> ORGANISM: Homo sapiens
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36 atttatatct ttctgcagta ccgcctggcc acaatatcct cttcaaggga gagaaacctg      120
38 gcttcctgag ggaagtataa attataacat catcttacag ctagacctct tctgtagaaa      180
40 ggagggcaaa tggagtgaag tgccatatgt gcaaactttc ttttcattaa gagacaactc      240
42 acaattatgt aaaaagtgtg gtttatgcc ctcaggaagc cctcagagtc cacctcccta      300
44 cccagcgtc cctcccccga ctcttcctc aactaataag gacccccctt taacccaaac      360
46 ggtccaaaag gagatagaca aaggggtaaa caatgaacca aagagtgcc atattccccg      420
48 attatgcccc ctccaagcag tgagaggagg agaattcggc ccagccagag tgctgtacc      480
50 tttttctctc tcagacttaa agcaaattaa aatagacctt ggtaaattct cagataacct      540
52 tgacggctat attgatgttt tacaagggtt aggacaatcc tttgatctga catggagaga      600
54 tataatgtta ctactaaatc agacactaac cccaaatgag agaagtgcg ctgtaactgc      660
56 agcccagag tttggcgatc tttggtatct cagtcaggcc aacaatagga tgacaacaga      720
58 ggaaagaaca actcccacag gccagcaggc agttcccagt gtagaccctc attgggacac      780
60 agaatcagaa catggagatt ggtgccacaa acatttgcta acttgcggtc tagaaggact      840
62 gaggaaaact aggaagaagc ctatgaatta ctcaatgatg tccactataa cacagggaaa      900
64 ggaagaaaat cttactgctt ttctggacag actaaggagg gcattgagga agcatacctc      960
66 cctgtcacct gactctattg aaggccaact aatcttaaag gataagttta tcaactcagtc      1020
68 agctgcagac attagaaaaa acttcaaaaag totgccttag gcccgaggca gaacttagaa      1080
70 accctattta acttggcatc ctcagttttt tataatagag atcaggagga gcaggcgaaa      1140
72 cgggacaaac gggataaaaa aaaaaggggg ggtccactac tttagtcatg gccctcaggc      1200
74 aagcagactt tggaggctct gcaaaaggga aaagctgggc aaatcaaag cctaataagg      1260
76 ctggcttcca gtgcggtcta caaggacact ttaaaaaaga ttatccaagt agaaataagc      1320

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78 cgcccccttg tccatgcccc ttacgtcaag ggaatcactg gaaggccac tgccccaggg 1380
80 gatgaagata ctctgagtca gaagccatta accagatgat ccagcagcag gactgagggg 1440
82 gcccggggcg agcgccagcc catgccatca ccctcacaga gccccgggta tgtttgacca 1500
84 ttgagagcca a 1511
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88 <211> LENGTH: 2009
89 <212> TYPE: DNA
90 <213> ORGANISM: Homo sapiens
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94 <221> NAME/KEY: misc_feature
95 <222> LOCATION: (1940)..(1940)
96 <223> OTHER INFORMATION: n = a or g or c or t/u
98 <400> SEQUENCE: 2
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101 gatggatata tgcagaattc gccctttgtc cgctgtgtc ctgatccagc gaggcgcccc 120
103 ttgctgtctc caattgggct aaaggcttgc cattgttccc acacggctaa gtgcccgggt 180
105 tcataccta tgagctgaac actagtcact gggttccatg gttctcttcc atgacccacg 240
107 gcttctaata gagctctaata actcaccaca tggcccaaga ttccattcct tggaaatccgt 300
109 gaggccaaaga accccagggtc agagaacacg aggccttgcca ccgtcttgga agtggcccg 360
111 cgccatcttg ggagctctgg gagcaaggac cccccagtaa ctttttgga accacaaagg 420
113 gacctccaaa gcgatgggaa acattcccc caaggcaaaa acgcccctaa gatgtattct 480
115 ggagaattgg gaccaatgtg aactcagac gctaagaaag aaacgattta tattcttctg 540
117 cagtaccgcc tggccacaat atcctcttca agggagagaa acctggcttc ctgagggag 600
119 tataaattat aacatcatct tacagctaga cctcttctgt agaaaggagg gcaaatggag 660
121 tgaagtgcca tatgtgcaaa ctttcttttc attaagagac aactcacaat tatgtaaaaa 720
123 gtgtggttta tgccctacag gaagccctca ggtccacct ccctaccca gcgtccccc 780
125 cccgactcct tcctcaacta ataaggacct cctttaacc caaacggtcc aaaaggagat 840
127 agacaaaggg gtaaacatg aaccaaagag tgccaatatt ccccgattat gccccctcca 900
129 agcagtgaga ggaggagaat tgggccagc cagagtgcct gtacctttt ctctctcaga 960
131 cttaaagcaa attaaaatag acctaggtaa attctcagat aacctgacg gctatattga 1020
133 tgttttacaa gggttaggac aatcctttga tctgacatgg agagatataa tgttactact 1080
135 aatcagaca ctaaccccaa atgagagaag tgccgctgta actgcagccc gagagtgttg 1140
137 cgatcttttg tatctcagtc aggtcaacaa taggatgaca acagaggaaa gaacaactcc 1200
139 cacaggccag caggcagttc ccagtgtaga cctcattgg gacacagaat cagaacatgg 1260
141 agattggtgc cacaacatt tgctaacttg cgtgctagaa ggactgagga aaactaggaa 1320
143 gaagcctatg aattactcaa tgatgtccac tataacacag ggaaggaag aaaatcctac 1380
145 tgcttttctg gacagactaa gggaggcatt gaggaagcat acctccctgt cacctgactc 1440
147 tattgaaggc caactaatct taaaggataa gtttatcact cagtcagctg cagacattag 1500
149 aaaaaacttc aaaagtctgc cttaggcccc gagcagaact tagaaacct atttaacttg 1560
151 gcatactcag ttttttataa tagagatcag gaggagcagg cgaaacggga caaacgggat 1620
153 aaaaaaaaaa ggggggggtcc actactttag tcatggccct caggcaagca gactttggag 1680
155 gctctggaaa agggaaaagc tgggcaaatc aaatgcctaa tagggctggc ttccagtgcg 1740
157 gtctacaagg acacttttaa aaagattatc caagtacaaa taagcgcgcc ccttgtccat 1800
159 gccccttacg tcaagggaat cactggaagg cccactgccc caggggatga agatactctg 1860
161 agtcagaagc cattaaccag atgatccagc agcaggactg aggggtgccc gggcgagcgc 1920
W--> 163 cagcccatgc catcacctn acagagcccc gggatatgctt gaccattgag agccaggagg 1980
165 ttaactgtct cctggacact ggcgcagcc 2009
168 <210> SEQ ID NO: 3
169 <211> LENGTH: 1056

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170 <212> TYPE: DNA
171 <213> ORGANISM: Homo sapiens
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176 tttatattct tctgcagtac cgcttggcca caatatactc ttcaagggag agaaacctgg      120
178 cttcctgagg gaagtataaa ttataacatc atcttacagc tagacctctt ctgtagaaag      180
180 gagggcaaat ggagtgaagt gccatatgtg caaactttct tttcattaag agacaactca      240
182 caattatgta aaaagtgtgg tttatgccct acaggaagcc ctcagagtcc acctccctac      300
184 cccagcgtcc cctccccgac tccttcctca actaataagg accccccttt aacccaaacg      360
186 gtccaaaagg agatagacaa aggggtaaac aatgaaccaa agagtgccaa tattccccga      420
188 ttatgcccc tccaagcagt gagaggagga gaattcggcc cagccagagt gcctgtacct      480
190 ttttctctct cagacttaaa gcaaattaaa atagacctag gtaaattctc agataacctc      540
192 gacggctata ttgatgtttt acaagggtta ggacaatcct ttgatctgac atggagagat      600
194 ataatgttac tactaaatca gacactaacc ccaatgaga gaagtgccgc tgtaactgca      660
196 gcccagagat ttggcgatct ttggtatctc agtcaggcca acaataggat gacaacagag      720
198 gaaagaacaa ctcccacagg ccagcaggca gttcccagtg tagacctca ttgggacaca      780
200 gaatcagaac atggagattg gtgccacaaa catttgctaa cttgcgtgct agaaggactg      840
202 aggaaaacta ggaagaagcc tatgaattac tcaatgatgt ccactataac acagggaaag      900
204 gaagaaaatc ttactgcttt tctggacaga ctaagggagg cattgaggaa gcataacctc      960
206 ctgtcacctg actctattga aggccaacta atcttaaagg ataagtttat cactcagtca     1020
208 gctgcagaca ttagaaaaaa cttcaaaagt ctgcct.                               1056
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212 <211> LENGTH: 25
213 <212> TYPE: DNA
214 <213> ORGANISM: Homo sapiens
216 <400> SEQUENCE: 4
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221 <211> LENGTH: 26
222 <212> TYPE: DNA
223 <213> ORGANISM: Homo sapiens
225 <400> SEQUENCE: 5
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229 <210> SEQ ID NO: 6
230 <211> LENGTH: 26
231 <212> TYPE: DNA
232 <213> ORGANISM: Homo sapiens
234 <400> SEQUENCE: 6
235 cctagaacgt attctggaga attggg                                           26
238 <210> SEQ ID NO: 7
239 <211> LENGTH: 26
240 <212> TYPE: DNA
241 <213> ORGANISM: Homo sapiens
243 <400> SEQUENCE: 7
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247 <210> SEQ ID NO: 8
248 <211> LENGTH: 21
249 <212> TYPE: DNA
250 <213> ORGANISM: Homo sapiens

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256 <210> SEQ ID NO: 9
257 <211> LENGTH: 21
258 <212> TYPE: DNA
259 <213> ORGANISM: Homo sapiens
261 <400> SEQUENCE: 9
262 ggcctaaggc agacttttga a
265 <210> SEQ ID NO: 10
266 <211> LENGTH: 409
267 <212> TYPE: PRT
268 <213> ORGANISM: Homo sapiens
270 <400> SEQUENCE: 10
272 Met Gly Ser Ser His His His His His His Ser Ser Gly Leu Val Pro
273 1 5 10 15
276 Arg Gly Ser His Met Ala Ser Met Thr Gly Gly Gln Gln Met Gly Arg
277 20 25 30
280 Ile Met Gly Asn Ile Pro Pro Lys Ala Lys Thr Pro Leu Arg Cys Ile
281 35 40 45
284 Leu Glu Asn Trp Asp Gln Cys Asp Thr Gln Thr Leu Arg Lys Lys Arg
285 50 55 60
288 Phe Ile Phe Phe Cys Ser Thr Ala Trp Pro Gln Tyr Pro Leu Gln Gly
289 65 70 75 80
292 Arg Glu Thr Trp Leu Pro Glu Gly Ser Ile Asn Tyr Asn Ile Ile Leu
293 85 90 95
296 Gln Leu Asp Leu Phe Cys Arg Lys Glu Gly Lys Trp Ser Glu Val Pro
297 100 105 110
300 Tyr Val Gln Thr Phe Phe Ser Leu Arg Asp Asn Ser Gln Leu Cys Lys
301 115 120 125
304 Lys Cys Gly Leu Cys Pro Thr Gly Ser Pro Gln Ser Pro Pro Pro Tyr
305 130 135 140
308 Pro Ser Val Pro Pro Pro Thr Pro Ser Ser Thr Asn Lys Asp Pro Pro
309 145 150 155 160
312 Leu Thr Gln Thr Val Gln Lys Glu Ile Asp Lys Gly Val Asn Asn Glu
313 165 170 175
316 Pro Lys Ser Ala Asn Ile Pro Arg Leu Cys Pro Leu Gln Ala Val Arg
317 180 185 190
320 Gly Gly Glu Phe Gly Pro Ala Arg Val Pro Val Pro Phe Ser Leu Ser
321 195 200 205
324 Asp Leu Lys Gln Ile Lys Ile Asp Leu Gly Lys Phe Ser Asp Asn Pro
325 210 215 220
328 Asp Gly Tyr Ile Asp Val Leu Gln Gly Leu Gly Gln Ser Phe Asp Leu
329 225 230 235 240
332 Thr Trp Arg Asp Ile Met Leu Leu Leu Asn Gln Thr Leu Thr Pro Asn
333 245 250 255
336 Glu Arg Ser Ala Ala Val Thr Ala Ala Arg Glu Phe Gly Asp Leu Trp
337 260 265 270
340 Tyr Leu Ser Gln Val Asn Asn Arg Met Thr Thr Glu Glu Arg Thr Thr
341 275 280 285

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344 Pro Thr Gly Gln Gln Ala Val Pro Ser Val Asp Pro His Trp Asp Thr
345      290      295      300
348 Glu Ser Glu His Gly Asp Trp Cys His Lys His Leu Leu Thr Cys Val
349 305      310      315      320
352 Leu Glu Gly Leu Arg Lys Thr Arg Lys Lys Pro Met Asn Tyr Ser Met
353      325      330      335
356 Met Ser Thr Ile Thr Gln Gly Lys Glu Asn Pro Thr Ala Phe Leu
357      340      345      350
360 Asp Arg Leu Arg Glu Ala Leu Arg Lys His Thr Ser Leu Ser Pro Asp
361      355      360      365
364 Ser Ile Glu Gly Gln Leu Ile Leu Lys Asp Lys Phe Ile Thr Gln Ser
365      370      375      380
368 Ala Ala Asp Ile Arg Lys Asn Phe Lys Ser Leu Pro Lys Leu Ala Ala
369 385      390      395      400
372 Ala Leu Glu His His His His His His
373      405
376 <210> SEQ ID NO: 11
377 <211> LENGTH: 393
378 <212> TYPE: PRT
379 <213> ORGANISM: Homo sapiens
381 <400> SEQUENCE: 11
383 Met Ala Ser Met Thr Gly Gly Gln Gln Met Gly Arg Ile Met Gly Asn
384 1      5      10      15
387 Ile Pro Pro Lys Ala Lys Thr Pro Leu Arg Cys Ile Leu Glu Arg Ile
388      20      25      30
391 Leu Glu Asn Trp Asp Gln Cys Asp Thr Gln Thr Leu Arg Lys Lys Arg
392      35      40      45
395 Phe Ile Phe Phe Cys Ser Thr Ala Trp Pro Gln Tyr Pro Leu Gln Gly
396      50      55      60
399 Arg Glu Thr Trp Leu Pro Glu Gly Ser Ile Asn Tyr Asn Ile Ile Leu
400 65      70      75      80
403 Gln Leu Asp Leu Phe Cys Arg Lys Glu Gly Lys Trp Ser Glu Val Pro
404      85      90      95
407 Tyr Val Gln Thr Phe Phe Ser Leu Arg Asp Asn Ser Gln Leu Cys Lys
408      100      105      110
411 Lys Cys Gly Leu Cys Pro Thr Gly Ser Pro Gln Ser Pro Pro Pro Tyr
412      115      120      125
415 Pro Ser Val Pro Ser Pro Thr Pro Ser Ser Thr Asn Lys Asp Pro Pro
416      130      135      140
419 Leu Thr Gln Thr Val Gln Lys Glu Ile Asp Lys Gly Val Asn Asn Glu
420 145      150      155      160
423 Pro Lys Ser Ala Asn Ile Pro Arg Leu Cys Pro Leu Gln Ala Val Arg
424      165      170      175
427 Gly Gly Glu Phe Gly Pro Ala Arg Val Pro Val Pro Phe Ser Leu Ser
428      180      185      190
431 Asp Leu Lys Gln Ile Lys Ile Asp Leu Gly Lys Phe Ser Asp Asn Pro
432      195      200      205
435 Asp Gly Tyr Ile Asp Val Leu Gln Gly Leu Gly Gln Ser Phe Asp Leu
436      210      215      220

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RAW SEQUENCE LISTING ERROR SUMMARY
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FYI
Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 1940
Seq#:18; N Pos. 594
Seq#:22; N Pos. 879,1200
Seq#:23; N Pos. 305
Seq#:24; N Pos. 84,193,241
Seq#:27; N Pos. 119
Seq#:29; N Pos. 1191,1213,2089,2274
Seq#:30; N Pos. 198,307,355,1309,1331,2213,2398,3787,4115,4261

VERIFICATION SUMMARY

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L:163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1920
L:567 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:540
L:804 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:840
M:341 Repeated in SeqNo=22
L:847 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:300
L:930 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:60
M:341 Repeated in SeqNo=24
L:1155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:60
L:1364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:1140
M:341 Repeated in SeqNo=29
L:1470 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:180
M:341 Repeated in SeqNo=30